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[1. 001: Non- or Minimally-Invasive Methods to Measure Biochemical Substances during Neonatal and Perinatal Patient Care and Research \(R41\)](#)

Release Date: 06-22-2015 Open Date: 06-15-2015 Due Date: 08-24-2015 Close Date: 08-24-2015

Purpose The primary purpose of this initiative is to stimulate translational research by inviting small businesses with bioengineering and biomedical expertise to collaborate to develop advanced, non- or minimally invasive methods for rapid measurement and monitoring of biochemical substances during the care of perinatal (pregnant women and newborn infants) and pediatric patient populations. The m ...

STTR Department of Health and Human Services

[2. GENSETS: GENerators for Small Electrical and Thermal Systems \(GENSETS\)](#)

Release Date: 07-16-2015 Open Date: 07-16-2015 Due Date: 08-17-2015 Close Date: 08-17-2015

PLEASE NOTE: A prior Letter of Intent is not required for this specific FOA from DOE-ARPA-E. **SUMMARY** The GENSETS Program – GENerators for Small Electrical and Thermal Systems – seeks to fund the development of potentially disruptive generator technologies that will enable widespread deployment of residential Combined Heat and Power (CHP) systems. Here, CHP is defined as the distributed generat ...

SBIRSTTR Department of Energy ARPA-E

[3. RFA-AT-16-004: HHS STTR RFA-AT-16-004](#)

Release Date: 04-03-2015 Open Date: 07-05-2015 Due Date: 08-05-2015 Close Date: 08-05-2015

Background Natural products are essential sources of medicines. The World Health Organization estimates that ~80% of the world's population relies on traditional medicines made from natural products. The modern pharmaceutical industry is also dependent on plant-based medicines, with as much as 50% of all drugs based on natural products or derived from a natural product origin. Clearly, pla ...

STTR Department of Health and Human Services

[4. 001: Tools and Services for Designing Methodologically Rigorous Animal Studies \(R41/R42\)](#)

Release Date: 07-05-2015 Open Date: 07-05-2015 Due Date: 08-05-2015 Close Date: 08-05-2015

Research Objectives Animal studies play a vital role in science. In scientific research, laboratory animals are used to develop and test putative medications, to elucidate normal biological processes, and to study genes/mutations found in both animals and humans, among others. National Institutes of Health (NIH) is diligent in following the guidelines for ethical conduct in the care and use of ani ...

STTR Department of Health and Human Services

5. [001: Technologies for Improving Population Health and Eliminating Health Disparities \(R41/R42\)](#)

Release Date: 06-23-2015 Open Date: 06-23-2015 Due Date: 07-23-2015 Close Date: 07-23-2015

Purpose The purpose of this funding opportunity is to stimulate a partnership of ideas and technologies between innovative small business concerns (SBCs) and non-profit research institutions resulting in improving minority health and the reduction of health disparities by commercializing innovative technologies. Healthy People 2020 defines a health disparity as a particular type of health differen ...

STTR Department of Health and Human Services

6. [DHP15B-001: Conversion to Universal Plasma](#)

Release Date: 04-24-2015 Open Date: 05-26-2015 Due Date: 06-24-2015 Close Date: 06-24-2015

Demand for plasma-based therapies continues to rise. In the US alone, there were ~29 million donations of plasma in 2013¹. Plasma-based therapies are also in high demand in the military. Warfighters with combat casualties often require massive plasma transfusions for trauma, shock, burn injury, and emergency surgery. Today, only Type AB blood donors, who account for only 4% of the overall donor po ...

STTR Defense Health Program Department of Defense

7. [DHP15B-002: Laser and Lightwave Therapies for Wound Healing Application](#)

Release Date: 04-24-2015 Open Date: 05-26-2015 Due Date: 06-24-2015 Close Date: 06-24-2015

Since 8 December 2007, the war in the Middle East has seen over 30,000 soldiers injured in combat with the majority of these injuries occurring the last few years [1]. Despite the type of the injury, the majority of the wounded have suffered some degree of soft tissue injury which needs to be addressed. Since these soldiers endure harsh conditions and their wounds are much more likely to become in ...

STTR Defense Health Program Department of Defense

8. [DMEA15B-001: Optimized Scintillator for High Resolution X-ray Imaging at 9keV](#)

Release Date: 04-24-2015 Open Date: 05-26-2015 Due Date: 06-24-2015 Close Date: 06-24-2015

Rapid Integrated Circuit (IC) inspection using x-ray microscopy requires novel x-ray scintillating materials with high efficiency and high spatial resolution. Current scintillator materials, such as Cesium Iodide (CsI), suffer from a trade-off between efficiency and spatial resolution. Novel materials with higher stopping power and light yields are necessary to address the stringent requirements o ...

STTR Defense Microelectronics Activity Department of Defense

9. [BM: Biomedical Technologies](#)

Release Date: 02-26-2015Open Date: 05-18-2015Due Date: 06-18-2015Close Date: 06-18-2015

The Biomedical Technologies subtopics aim to support the early stage development of novel products, processes, or services that will enable the delivery of high-quality, economically-efficient healthcare in the U.S. as well as globally. The BM subtopics are not aimed at supporting or conducting clinical trials, clinical efficacy or safety studies, the development pre-clinical or clinical-stage ...

STTR National Science Foundation

10. [BT: Biological Technologies](#)

Release Date: 02-26-2015Open Date: 05-18-2015Due Date: 06-18-2015Close Date: 06-18-2015

BT1. Agricultural and Food Safety Biotechnology New approaches for meeting the world's future nutritional needs. For Agricultural Biotechnology, target areas for improvement may include (but are not limited to) drought tolerance, improved nutritional value, enhanced disease resistance, and higher yield. Proposers should use biotechnology in their approach, and should give consideration to technolo ...

STTR National Science Foundation

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